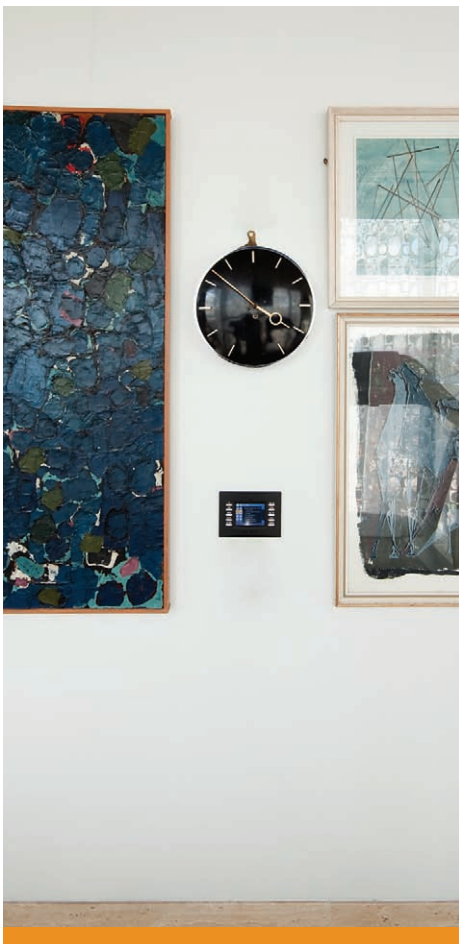


Case study Beetham Tower



Crestron & Custom Controls scale new heights in the Beetham Tower.

Assuming a commanding position on top of Manchester's iconic Beetham Tower, there is a penthouse like no other. Officially the highest living space in Britain, it occupies the top two storeys of the 168.87m building - the tallest in the UK outside London and the tallest residential development in Europe. Envious credentials indeed, and as you would expect from such a landmark development, the penthouse itself has been finished to the highest possible specification and boasts the kind of all-encompassing Crestron control system that takes the concept of home automation to equally impressive heights, winning integrator Custom Controls the coveted title of Best High Rise installation in the 2009 Crestron Integration Awards!

Spanning the entire top floor of the tower, the five bedroom duplex apartment boasts its own swimming pool, sauna and steam room complex, gym, staff quarters and indoor garden, complete with 21 four-metre high olive trees shipped from Italy and craned into position before the roof! With such an impressive specification, home automation expectations were high. Total control was required for all the systems

in situ; from the lighting to the multiroom AV, to the environmental control and the security – and all 47 floors up! A tall order for some but not for Custom Controls as Dave Chester explains “An installation of this size and complexity, in such an iconic development, certainly posed many



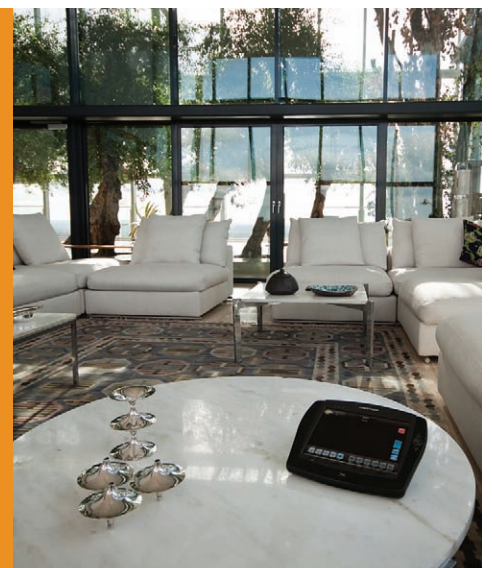
challenges but it has also brought with it many rewards. The project allowed us to demonstrate not only our own integration capabilities but also those of the Crestron system. The result is a technical solution that we are really proud of and one that has delighted the client and won us a coveted industry accolade in the process!" So, onwards and upwards and let's see what this award-winning installation has to offer...

There is certainly an impressive array of technology in this apartment, all of which has been brought together and seamlessly integrated to deliver the ultimate lifestyle of comfort and convenience. Using intuitive Crestron technology, Custom Controls have designed and installed a solution which completely eliminates the need to walk from room to room to adjust the lighting, temperature, security or audio visual components – very useful when your home is well over 1,100m²!

The apartment benefits from music and high-definition video throughout, with the homeowner's entire CD and DVD collection held centrally on a Kaleidescape hard drive server system. In the snug, a custom home cinema featuring Bowers and Wilkins Signature 8NT speakers and a 50" KURO

Pioneer plasma delivers an authentic cinematic experience, all readily controllable via an intuitive TPMC-8X WiFi touchpanel.

AV provision in the master bedroom suite is equally impressive with B&W speakers in both wet and dry areas, there is even a pair integrated within the stunning feature bath.





Control is provided via the TPS-6L mounted in the headboard and DB12 waterproof keypad's in the 'his' and 'hers' bathrooms, allowing the owners to keep in control, even when having a soak.

All the main rooms in the penthouse benefit from full Crestron lighting control, enabling access and scene setting from the touchpanels or any of the four Cameo wall mounted keypads located throughout the property. Lighting control in the cinema automatically dims and raises the lights to

synchronise with the film and, one press of a button gently illuminates the living room and the garden to show the apartment at its best.

Elsewhere, four compact, wall-mounted TPS-4Ls deliver amazing touchpanel performance in the space of a common light switch whilst two TPS-6Ls offer impressive control capability from high-contrast 5.7" colour touchscreens.

The Crestron system integrates seamlessly with a third party building management

system, allowing precision control of temperature settings for the underfloor heating and ventilation, in addition to providing environmental control for the indoor olive grove. The same interface also allows for control of the sauna, steam room and swimming pool.

And, as far as security goes, live CCTV images from around the property are relayed to the Crestron touchpanels, to maximise the effectiveness and visibility of the system and to ensure complete peace of mind. And, for an added dimension, cameras can also be accessed and viewed remotely.

A Crestron PRO2 2-Series control system is the brains behind the integrated automation solution, allowing every audio, video, and environmental element within the penthouse to become integrated and accessible. Additionally, a PAC2M operates as a standalone controller for the apartment's lighting and blinds. A CNAMPX-16X60 provides 16 channels of world-class audio





amplification for the distribution of speaker-level audio in 8 stereo room zones as part of the complete Crestron audio distribution system. And, as part of the Crestron lighting system, Crestron Greenlight lighting control modules provide multiple channels of dimming.

So, with its unrivalled location, far reaching views and award-winning technical specification, this is one installation that demonstrates that, when Crestron and Custom Controls combine forces, the sky really is the limit!

Custom Controls®



Kit list

Gym

- TPS-4L

Kitchen

- 1 x TPS-6L which controls heating and cooling, lighting, CCTV and AV throughout the home.

Snug

- 1 x TPM-8X, Crestron lighting, 2 x Cameo lighting keypads

Drawing Room

- TPS-4L control for audio sources and lighting, 1 x Cameo lighting keypads

Master Bedroom

- TPS-6L (built in to bed head) controlling AV sources, lighting, heating and cooling, CCTV, 1 x Cameo lighting keypads

His and hers bathrooms

- DB12 controlling audio sources

Study

- TPS-4L controlling audio video sources and lighting

Hub

- PRO2, BIPAD8, AMPX16x60, C2N-TFM (Tuner)

Lighting

- 50 channels of Crestron lighting, PAC2M lighting controller.



For further press information or high-resolution images please contact shereen.russell@wildwoodpr.co.uk



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